

FIGURE 1

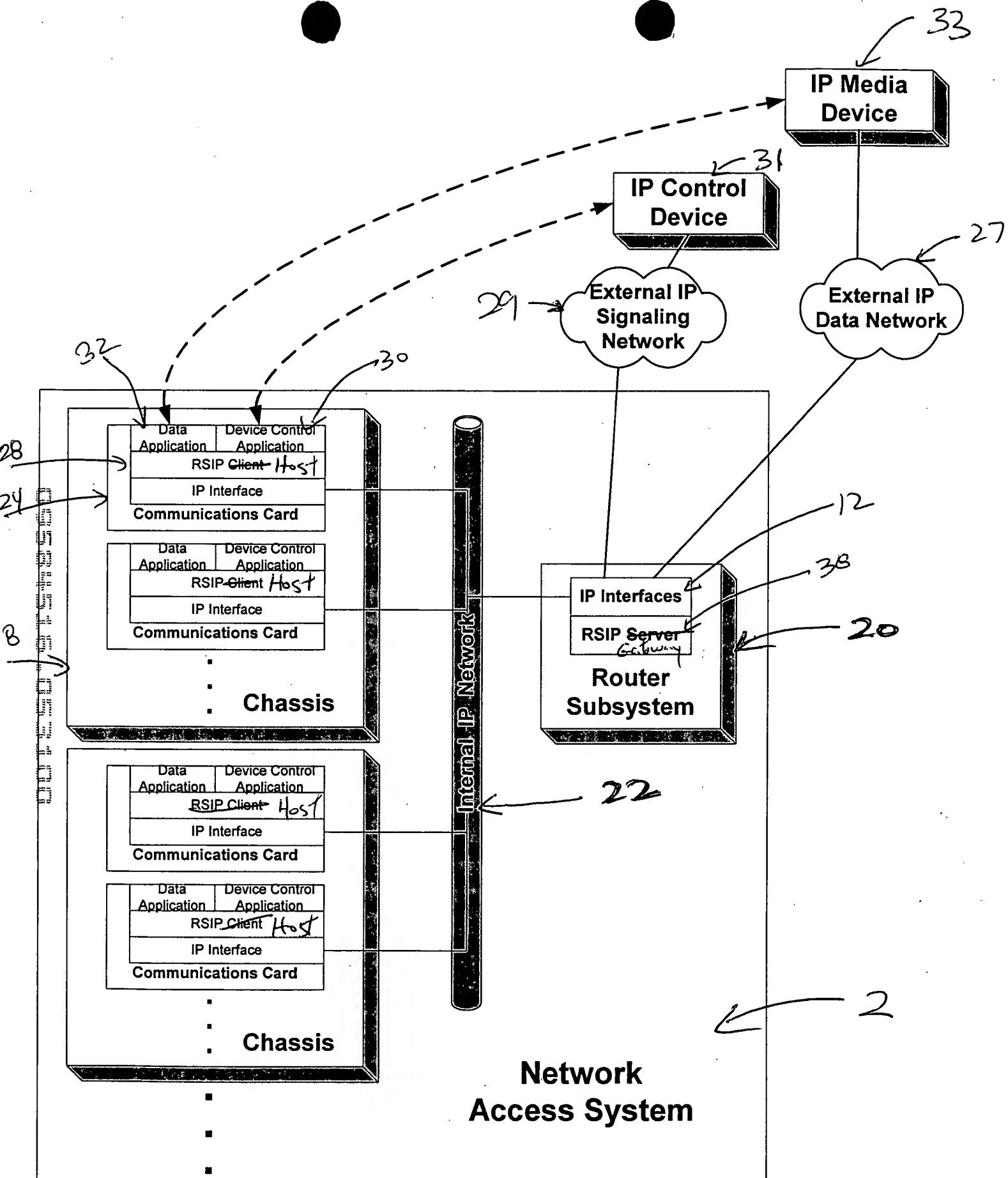


FIGURE 2

FIG. 3
RSIP PROTOCOL
STACK

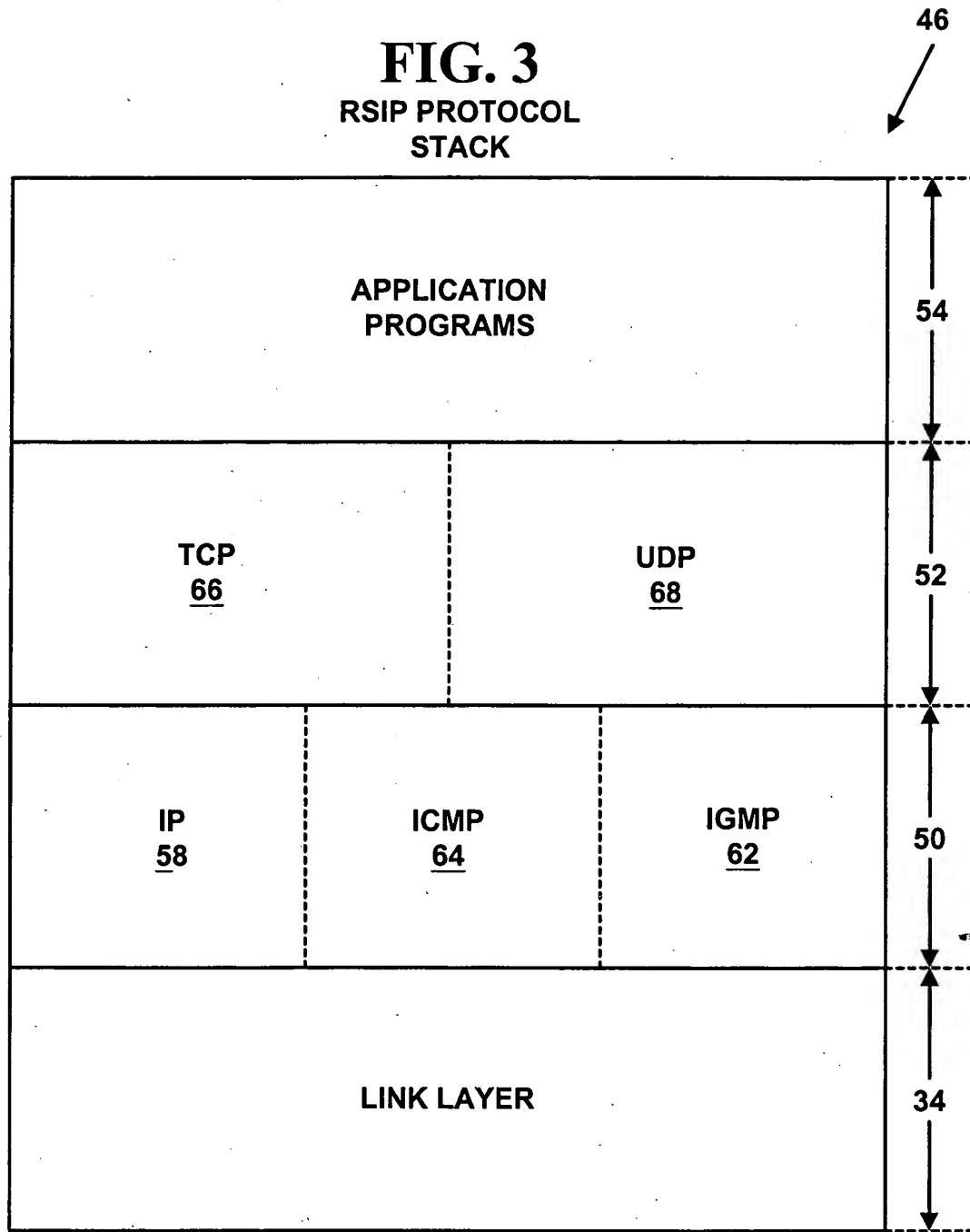


FIG. 4

REALM SPECIFIC INTERNET PROTOCOL (RSIP) MESSAGES

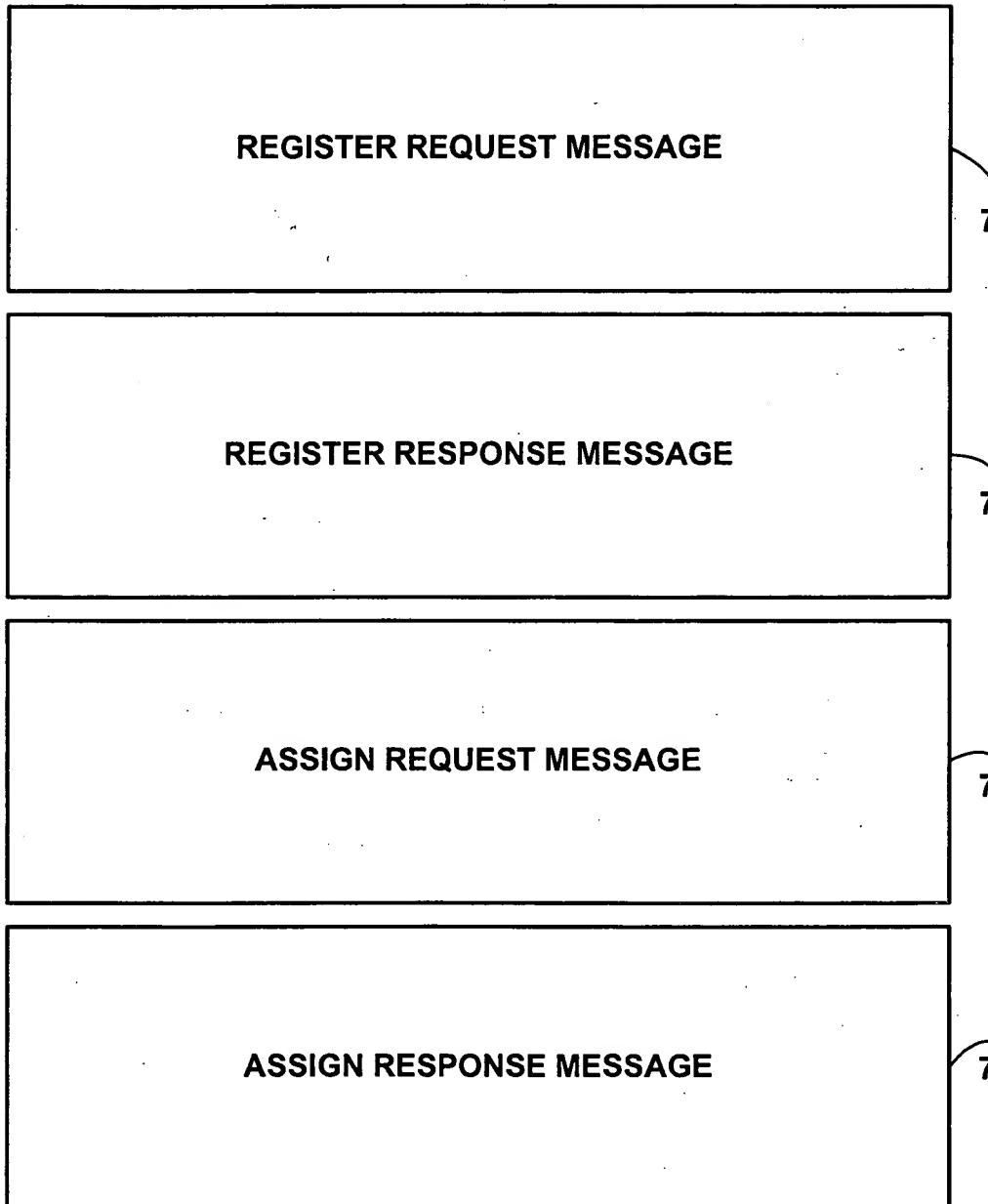


FIG. 5

RSIP PROTOCOL MESSAGE LAYOUT

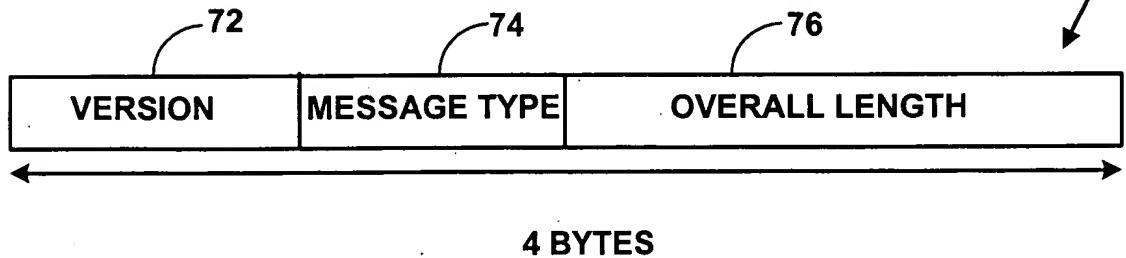


FIG. 6

REGISTER REQUEST MESSAGE LAYOUT

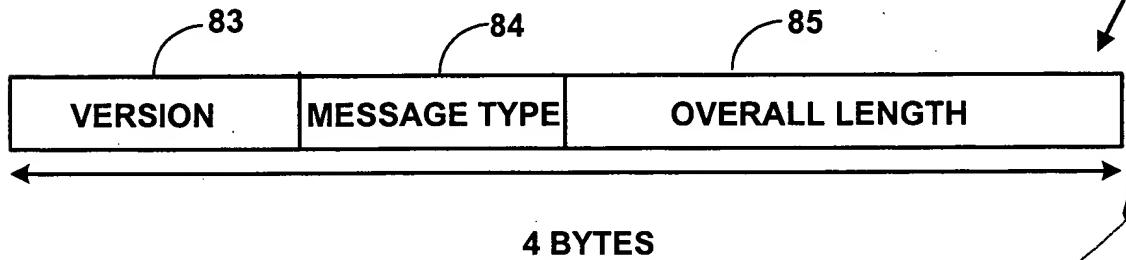


FIG. 7

REGISTER RESPONSE MESSAGE LAYOUT

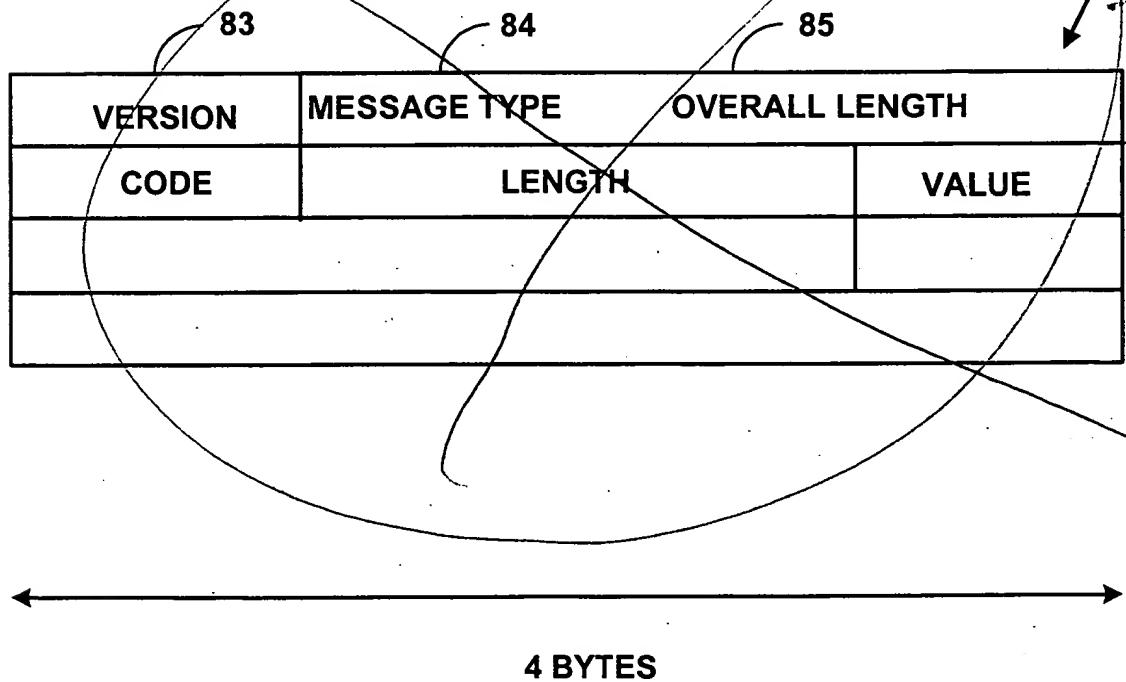


FIGURE 7
REGISTER RESPONSE MESSAGE LAYOUT

VERSION	MESSAGE TYPE	OVERALL LENGTH	
CODE	LENGTH	VALUE	
CLIENT ID VALUE (CONT'D)		CODE	
LENGTH	LOCAL	REMOTE	
CODE	LENGTH	VALUE	
CODE	LENGTH	VALUE	

4 BYTES

FIGURE 8
ASSIGN REQUEST MESSAGE LAYOUT

VERSION	TYPE	LENGTH	
CODE	LENGTH	VALUE	
CLIENT ID VALUE (CONT'D)		CODE	
LENGTH	TYPE		
VARIABLE LENGTH VALUE			
METHOD DEPENDENT FIELDS			

4 BYTES

FIGURE 9
RSA-IP ASSIGN REQUEST MESSAGE LAYOUT

CODE	LENGTH	TYPE	REMOTE
VARIABLE LENGTH VALUE			
CODE	LENGTH	NUMBER	ADDRESS
VARIABLE NUMBER OF 2 BYTE PORT FIELDS			
CODE	LENGTH	VALUE	REMOTE
LEASE TIME VALUE CONT'D		CODE	PORTS
LENGTH	VALUE		[LEASE TIME]
			[TUNNEL]
			TYPE]

4 BYTES

FIGURE 10
RSAP-IP ASSIGN REQUEST MESSAGE LAYOUT

CODE	LENGTH	NUMBER	LOCAL
VARIABLE NUMBER OF 2 BYTE PORT FIELDS			
CODE	LENGTH	TYPE	PORTS
VARIABLE LENGTH VALUE			
CODE	LENGTH	NUMBER	REMOTE
VARIABLE NUMBER OF 2 BYTE PORT FIELDS			ADDRESS
CODE	LENGTH	VALUE	REMOTE
LEASE TIME VALUE CONT'D		CODE	PORTS
LENGTH	VALUE		[LEASE TIME]
			[TUNNEL]
			TYPE]

4 BYTES

FIGURE 11
ASSIGN RESPONSE MESSAGE LAYOUT

VERSION	TYPE	LENGTH	
CODE	LENGTH	VALUE	CLIENT ID
CLIENT ID VALUE (CONT'D)		CODE	
LENGTH		VALUE	BIND ID
BIND ID VALUE CONT'D	CODE	LENGTH	LOCAL
LENGTH CONT'D	TYPE	VARIABLE LENGTH VALUE	ADDRESS
METHOD DEPENDENT FIELDS			

4 BYTES

FIGURE 12
RSA-IP ASSIGN RESPONSE MESSAGE LAYOUT

CODE	LENGTH	TYPE	
VARIABLE LENGTH VALUE			
CODE	LENGTH	NUMBER	
VARIABLE NUMBER OF 2 BYTE PORT FIELDS			
CODE	LENGTH	VALUE	REMOTE
LEASE TIME VALUE CONT'D		CODE	ADDRESS
LENGTH	VALUE		REMOTE
			PORTS
			LEASE TIME
			TUNNEL
			TYPE

4 BYTES

FIGURE 13 **RSAP-IP ASSIGN REQUEST MESSAGE LAYOUT**

CODE	LENGTH	NUMBER	LOCAL
VARIABLE NUMBER OF 2 BYTE PORT FIELDS			
CODE	LENGTH	TYPE	REMOTE
VARIABLE LENGTH VALUE			
CODE	LENGTH	NUMBER	REMOTE
VARIABLE NUMBER OF 2 BYTE PORT FIELDS			
CODE	LENGTH	VALUE	LEASE TIME
LEASE TIME VALUE CONT'D		CODE	TUNNEL
LENGTH		VALUE	TYPE

4 BYTES

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FIG. 14

44 COMBINATION NETWORK ADDRESS

EXTERNAL NETWORK ADDRESS (E.G., EXTERNAL IP ADDRESS)	LOCALLY UNIQUE PORT
198.10.20.30	1032

112

42

FIG. 15

INTERNAL NETWORK ADDRESS	LOWEST PORT	NUMBER OF PORTS
10.0.0.1	1026	32
10.0.0.3	1057	16

122

POR-T-INTERNAL-NETWORK
ADDRESS TABLE

FIG. 16

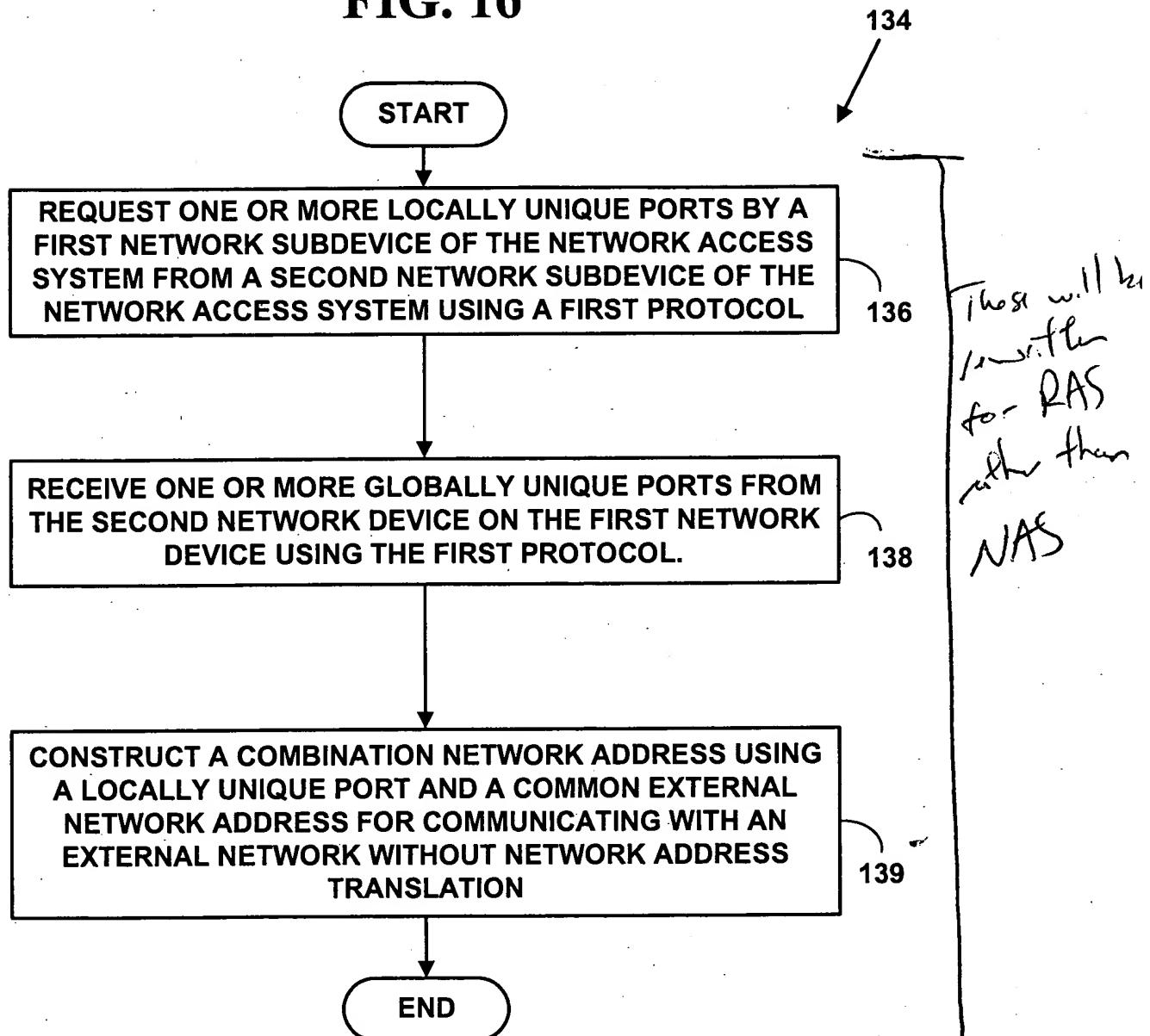


FIG. 17

